Public Safety DAS

Digitechx is uniquely organized to bridge the divide in ubiquitous coverage. Whether it is cellular or mission critical land mobile radio, we make communications seamless in our nation's buildings. With turnkey solutions for ERRCS, IDAS and ODAS we are your in-building DAS specialist.

Our company provides ERRCS and Public Safety DAS systems to Commercial Enterprises, Multi-Family Developments, Commercial Developers, Educational Facilities, Hospitals, and Health Care Industries. We provide turnkey emergency responder solutions. Our services include design, integration, commissioning, and AHJ Certification for mandated distributed antenna systems. Our skilled staff and RF engineers are steeped in all aspects of construction, delivering cost-efficient systems that ensure code compliance. We are vertically integrated to handle all aspects of the design and integration of these complicated systems and attain certifications required for a certificate of occupancy.

Today more than ever we rely on our mobile handsets for business and personal connectivity. Our experts bridge the gap of poor coverage in our nation's structures. Digitechx designs and integrates turnkey neutral host DAS solutions for the enterprise customer. We serve Commercial Properties, Hospitality & Casinos, Health Care, Multi-Family developments, Campuses, and Multi-Property Community Solutions. We self-perform all aspects of the design, engineering, integration, commissioning, and carrier acquisition. Public Safety BDA

In just two short decades, we have migrated from a wired to wireless infrastructure. In the wake of this migration, our nations buildings have not kept pace with this trend. Digitechx is organized to bridge that gap by solving all things wireless and providing ubiquitous coverage in our nation's infrastructure.
We provide essential services for in-building communications including cellular, emergency responder radio coverage and converged wireless systems. With over 60 years of combined telecommunications experience, upper management is uniquely poised to lead this specialized industry into the 21st century.

What is Public Safety BDA?

Public Safety BDA systems are two-way radio systems used to assist first responders in the event of an emergency. The goal of a **BDA/DAS** is to eliminate communication "dead spots" or "dead zones" in a building by extending coverage range so that first responders can communicate as needed. Bi-Directional Amplifiers (BDA) and Distributed Antenna Systems (DAS) help to ensure that first responders entering your building can communicate with one another during an emergency. BDA systems are an extension of a public safety radio systems and thus must be carefully designed by an experienced and knowledgeable BDA vendor.

What is a Signal Survey?

Reliable communication is a necessity when emergencies happen. Maintaining communication inside and outside of the building ensures less injuries and more lives can be saved. Emergency responders lose signal when they enter a building cutting them off to anything and everything going on outside. This is critical to ensure the responders have a well established link between the two. This is when Bi Directional Antenna (BDA) or a Distributed Antenna System (DAS) would be installed in the building.

Weak radio signals will hinder emergency responders from doing their job effectively. A weak signal can be caused by how the building was constructed and what materials they used that could negatively affect signal strength.

A Signal Survey consists of a RF survey that's conducted to determine if in-fact a BDA system is compliant and functioning properly, or if a BDA/DAS will need to be installed. The survey is done by a factory trained and FCC licensed technician. The service technician tests for uplink/downlink signal strength throughout the entire building, or in known dead spot areas.

What is Cellular Benchmarking?

Cellular Benchmark testing plays one of the most important roles to determine the qualities of a software and hardware configuration. It is software/hardware testing to check the performance of the system application, especially with in-building cellular signal issues. This form of benchmarking will identify if the signal performance improves after changes are made to the application. Benchmark testing also utilizes sophisticated equipment and software analysis to measure cellular and public safety signals.